

Appln No. 09/747,392
Amdt date January 18, 2006
Reply to Office action of October 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A mobile set having a voice recording means for storing voice conversations received through the mobile set and capable of playback on the mobile set, the mobile set comprising:

(a) an uplink/downlink switch for selecting speech frames for recording from an uplink and a downlink signal, ~~the selecting being based on a level of detected voice activity in the speech frames,~~ the uplink signal carrying first speech frames transmitted by the mobile set to a second device during a voice conversation, and the downlink signal carrying second speech frames received by the mobile set from the second device during the voice conversation, the selecting being based on an analysis of a received or a transmitted speech frame for a level of data content, wherein each speech frame with a detected level of data content below a threshold level is not selected for recording;

(b) at least one switching logic controller for switching between the uplink and downlink signals;

(c) ~~a method of file header generation means~~ for generating headers for recorded speech files;

(d) a recorder controlling means for configuring and controlling ~~ef~~ a recorder operation in one of several recording modes ~~available to a subscriber;~~ and

(e) a memory element storing the selected speech frames into a speech file.

2. (Currently Amended) A method in a mobile set for storing voice recordings, the method comprising:

(a) controlling a processor to identify speech ~~containing time~~ frames from at least one uplink and at least one downlink signal, the uplink signal carrying first speech ~~[[time]]~~ frames

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transmitted by the mobile set to a second device during a voice conversation, and the downlink signal carrying second speech ~~[[time]]~~ frames received by the mobile set from the second device during the voice conversation; ~~[[and]]~~

(b) selecting speech frames for recording from the uplink and downlink signals, the selecting being based on an analysis of a received or a transmitted speech frame for a level of data content, wherein each speech frame with a detected level of data content below a threshold level is not selected for recording; and

~~[[b)] (c) recording the selected first and second speech ~~[[time]]~~ frames from said uplink and said downlink signals, wherein the speech time frames are arranged into a single data stream and are recorded sequentially with a time stamp for each speech time frame.~~

3. (Currently Amended) The method as in claim 2, wherein the voice detector is a processor having a buffer for storing multiple speech ~~[[time]]~~ frames of uplink and downlink signals, and capable of assigning each speech ~~[[time]]~~ frame a logic value while sorting through signals of the same time frame.

4. (Original) A method in a mobile set for determining record worthy voice time frames, the method comprising:

- (a) receiving a first signal in a voice activity detector;
- (b) receiving a second signal in the voice activity detector;
- (c) comparing the first signal to the second signal, wherein the first and second signals have the same time stamp, and selecting the signal having a high logic value for recording; and
- (d) substituting the low logic value signal with a placeholder marker for recording.

5. (Original) The method of claim 4, wherein step (d) alternatively comprises:

- (d) Recording the low logic value signal without performing any substitution.

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6. (Original) The method of claim 4, wherein the first voice signal is a uplink signal, and the second voice signal is a downlink signal.

7. (Original) The method of claim 4, wherein the first signal or the second signal contains a plurality of signals of the same type.

8-19. (Canceled)

20. (Previously Presented) The mobile set of claim 1, wherein a particular speech frame is selected if the level of detected voice activity in the particular speech frame is above a threshold level.

21. (Previously Presented) The mobile set of claim 1, wherein a particular speech frame is discarded and not selected upon a detection of no speech data in the particular speech frame.

22. (Previously Presented) The mobile set of claim 21, wherein the discarded speech frame is replaced with a placeholder marker, the placeholder marker being stored instead of the discarded speech frame.

23. (Previously Presented) The mobile set of claim 1, wherein the selected speech frames are arranged into a single data stream and stored into the speech file.

24. (Previously Presented) The method of claim 2, wherein the speech time frames are selectively recorded based on a level of detected voice activity in the speech time frames.

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25. (Previously Presented) The method of claim 24, wherein a particular speech frame is recorded if the level of detected voice activity in the particular speech time frame is above a threshold level.

26. (Previously Presented) The method of claim 24, wherein a particular speech time frame is discarded and not recorded upon a detection of no speech data in the particular speech time frame.

27. (Previously Presented) The method of claim 26, wherein the discarded speech time frame is replaced with a placeholder marker, the placeholder marker being recorded instead of the discarded speech time frame.

28. (New) The method of claim 2, wherein the selected speech frames are arranged into a single data stream and are recorded sequentially with a time stamp for each speech frame.